

Datasheet for ABIN7558302  
**NAC1 Protein (AA 1-514) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NAC1 (NACC1)
Protein Characteristics:	AA 1-514
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NAC1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Nacc1 Protein expressed in mammalian cells.
Sequence:	<p>MAQTLQMEIP NFGNSILECL NEQRLQGLYC DVSVVVKGHA FKAHRAVLAA SSSYFRDLFN SSRSAVVELP AAVQPQSFQQ ILTFCYTGRL SMNMGDQFLL IYTAGFLQIQ EIMEKGTEFF LKVSSPSCDS QGLHPPEEAPS SEPQSPVAQT LGWPACSTPL PLVSRVKTEQ ELDSVQCTPM AKRLWDSSQK EAGGSGGNNG SRKMAKFSTP DLALNRMPQP LSMATATAAV AVVAVGGCVS GPSMSERTSP GTSSAYTSDS PSSYHNEEDE EEDAGEEGTD EQYRQICNMY TMYSMLNVGQ TAEKVEALPE QVVLESRSRI RVRQDLASLP AELINQIGNR CHPKLYDEGD PSEKLELVTG TNVYITRAQL MNCHVSAGTR HKVLLRRLLA SFFDRNTLAN SCGTGIRSST NDPRRKPLDS RVLHAVKYCYC QNFAPNFKES EMNAIAADMC TNARRVVRKS WLPKTKPLHL VEGDNYSSFI SDTCKIEPDM MSMEHSFETA SHDGEAGPSA EVLQ <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>

## Product Details

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**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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**Grade:** custom-made

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## Target Details

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**Target:** NAC1 (NACC1)

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**Alternative Name:** Nacc1 ([NACC1 Products](#))

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**Background:** Nucleus accumbens-associated protein 1 (NAC-1) (BTB/POZ domain-containing protein 14B),FUNCTION: Functions as a transcriptional repressor. Seems to function as a transcriptional corepressor in neuronal cells through recruitment of HDAC3 and HDAC4. Contributes to tumor progression, and tumor cell proliferation and survival. This may be mediated at least in part through repressing transcriptional activity of GADD45GIP1. Required for recruiting the proteasome from the nucleus to the cytoplasm and dendritic spines. Involved in the acute behavioral and neurological responses to cocaine and amphetamines. {ECO:0000269|PubMed:17130457, ECO:0000269|PubMed:17945361}.

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**Molecular Weight:** 56.5 kDa

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**UniProt:** [Q7TSZ8](#)

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## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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